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((piezoelectric and vibrating and rod))

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1. [2253551](#) METHODS AND DEVICES FOR INCREASING ULTRASONIC EFFECTS 82%
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7. [2196883](#) ACTIVE SYSTEMS AND DEVICES INCLUDING ACTIVE VIBRATION ABSORBERS (AVAS) 80%
8. [2064547](#) BIPOLAR ELECTROSURGICAL SCALPEL WITH PAIRED LOOP ELECTRODES 80%



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Search Query :
((piezoelectric and vibrating and beam

Query: ((piezoelectric and vibrating and beam))

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1. [1261930](#) VIBRATING BEAM FORCE TRANSDUCER WITH A-FRAME BEAM ROOT AND FREQUENCY ADJUSTING MEANS 95%
2. [1091795](#) OPTICAL PHASE MODULATION INSTRUMENTS 88%
3. [1090160](#) OPTICAL PHASE MODULATION INSTRUMENTS 85%
4. [1113291](#) OPTICAL BEAM VIBRATING DEVICE 84%
5. [2395588](#) SYSTEMS AND METHODS FOR TREATING PACKAGED POWDERS 82%
6. [2220289](#) OPTICAL TRANSCEIVER 82%
7. [1180795](#) LASER GYRO WITH PHASED DITHERED MIRRORS 82%
8. [1098621](#) SYSTEM FOR DETECTING THE TRACKING ERROR IN OPTICAL READERS AND RECORDERS 82%
9. [2490087](#) DELIVERY OF METERED AMOUNTS OF LIQUID MATERIALS 80%

[Search Summary]

Results of searching in PCT (Full Text) for:

piezoelectric near (vibrating or vibration) near (rod or beam): 12 records

Showing records 1 to 12 of 12 :

Refine Search

piezoelectric near (vibrating or vibration) near (rod or

Title

1. (WO 2004/112093) METHOD AND APPARATUS TO PROCESS SUBSTRATES WITH MEGASONIC ENERGY
2. (WO 2004/013893) *PIEZOELECTRIC* ON SEMICONDUCTOR-ON-INSULATOR MICROELECTROMECHANICAL RESONATORS AND METHODS OF FABRICATION
3. (WO 03/103180) COMMUNICATION SYSTEM
4. (WO 03/099458) LOW LEAKAGE LIQUID ATOMIZATION DEVICE
5. (WO 02/044584) SMART SKIN STRUCTURES
[Repub: 31.07.2003]
6. (WO 03/055063) TUNABLE *PIEZOELECTRIC* MICRO-MECHANICAL RESONATOR
7. (WO 02/44584) SMART SKIN STRUCTURES
8. (WO 01/71899) VIBRATORY MOTOR AND METHOD OF MAKING AND USING SAME
9. (WO 01/54450) TRANSDUCER
10. (WO 01/43802) SYSTEMS AND METHODS FOR TREATING PACKAGED POWDERS
11. (WO 99/65550) INHALATION DEVICE
12. (WO 99/42282) A-SITE AND/OR B-SITE MODIFIED PBZRTIO₃ MATERIALS AND FILMS

Search Summary

piezoelectric NEAR vibrating: 315 occurrences in 192 records.

piezoelectric NEAR rod: 76 occurrences in 44 records.

(piezoelectric NEAR vibrating AND piezoelectric NEAR rod): 1 record.

piezoelectric NEAR vibration: 824 occurrences in 356 records.

piezoelectric NEAR rod: 76 occurrences in 44 records.

(piezoelectric NEAR vibration AND piezoelectric NEAR rod): 4 records.

((piezoelectric NEAR vibrating AND piezoelectric NEAR rod) OR (piezoelectric NEAR vibration AND piezoelectric NEAR rod)): 5 records.

piezoelectric NEAR vibrating: 315 occurrences in 192 records.

piezoelectric NEAR beam: 221 occurrences in 110 records.

(piezoelectric NEAR vibrating AND piezoelectric NEAR beam): 4 records.

piezoelectric NEAR vibration: 824 occurrences in 356 records.

piezoelectric NEAR beam: 221 occurrences in 110 records.

(piezoelectric NEAR vibration AND piezoelectric NEAR beam): 7 records.

((piezoelectric NEAR vibrating AND piezoelectric NEAR beam) OR (piezoelectric NEAR vibration AND piezoelectric NEAR beam)): 8 records.

((((piezoelectric NEAR vibrating AND piezoelectric NEAR rod) OR (piezoelectric NEAR vibration AND piezoelectric NEAR rod)) OR ((piezoelectric NEAR vibrating AND piezoelectric NEAR beam) OR (piezoelectric NEAR vibration AND piezoelectric NEAR beam))): 12 records.

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AND**IPC — e.g. D01B7/04 A01C11/02**

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	1618	(310/328).CCLS.	USPAT	2006/01/03 13:20	
2	IS&R	L2	474	(310/328).CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2006/01/03 13:32	
3	IS&R	L3	71	(310/323.02,323.09,323.13,323.17).CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2006/01/03 13:34	
4	IS&R	L4	301	(310/323.02,323.09,323.13,323.17).CCLS.	USPAT	2006/01/03 13:40	
5	IS&R	L5	516	(310/330).CCLS.	USPAT	2006/01/03 13:46	
6	IS&R	L6	96	(310/330).CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2006/01/03 13:59	
7	BRS	L7	252	piezoelectric same vibrat\$3 adj2 (rod or beam)	USPAT	2006/01/03 14:29	

8	BRS	L8	248	piezoelectric same vibrat\$3 adj2 (rod or beam)	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2006/01/0 3 14:29	
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